Orion-VX1000/VX2000 Version 2.2.4.27 Release Notes

Version 2.2.4.27

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1. Document Scope

Orion-VX1000/VX2000 provides H.323 AND SIP-based video/audio conferencing services for SMBs (Small and Medium Businesses) and enterprises. The product is a ready-to-use, stand-alone network appliance. The Orion-VX1000/VX2000's Web-based management system offers easy system configuration, conference creation, monitoring and conference control in real time.

This document contains information on new features and system modifications introduced in Orion-VX1000/VX2000, release 2.2.4.27.

IMPORTANT NOTE: This version is intended only for VX1000/VX2000, and not for 1286.

For information on the introduction of new features and modification of previous releases, please refer to the relevant release notes documents for those versions.

This document includes the following sections:

Section 1: Document Scope – This section.

Section 2: New Capabilities and Changes – Overview of new capabilities and changes in Orion-VX1000/VX2000 release 2.2.4.27

Section 3: Fixed in this Version – Bugs and other issues fixed in this release

Section 4: Known Issues – Known issues and workarounds

Section 5: Contacting SURF – Contact details

Request for Feedback

Please report any problems with the product to the Surf Customer Care Group.

Additionally, we are interested in any comments you might have regarding the contents of this package, its functionality, or any other issues regarding this product. Your input is valuable to us and it will allow us to enhance our future versions. Please forward your comments to our Marketing Group.

2. New Capabilities and Changes

This section reflects the new capabilities incorporated in release 2.2.4.27 as compared to previous GA release 2.2.4.15.

In order to obtain the new capabilities in release 2.2.4.15 compared to the prior GA release (2.2.3.12) the reader is encouraged to review the release notes of GA release 2.2.4.15.

New Capability	Date Added	Capability Description
Enable wide screen for resolutions lower than 720p	18.3.2015	This new option permits all conferences to attempt wide resolution display (aspect ratio = 9x16) and also requests the end clients to transmit their video in wide resolution format. Note: Choosing this option excludes H.263 support.
H.239 screen sharing resolution (for H.323): HD / XGA	18.3.2015	Choosing 'HD' allows HD resolution for shared content. . In case of an H.323 client that supports content sharing displaying in XGA resolution at most (and not HD), choosing the 'XGA' option leaves the content sharing in XGA resolution.
Dynamic bitrate adaptation from MCU (for H.323)	18.3.2015	If Orion MCU receives an H.245 flow control command request from the remote client endpoint, the MCU internally switches this client to use the conference encoder that suits the requested bitrate.
Dynamic bitrate adaptation to MCU (for H.323)	18.3.2015	If Orion MCU Rx packets lost > 1%, then the MCU requests the remote client side to lower its bitrate. This is done using the H.245 flow control command that the MCU sends towards the remote client.
Choose lower bitrate voice codec in case of limited bitrate	18.3.2015	If the client end point notifies via signaling that its bitrate is <= 128 Kbps and it supports both G.722 and G722.1 - Orion MCU will choose to use G.722.1. For higher bitrates Orion MCU will choose to use G.722.

3. Fixed in this Version

Errata #	Date Added	Errata Description
2473	9.11.2014	Direct call of 2 clients that are registered to the Orion disconnects after ~23 sec – this happens only if the clients call each other directly without joining a conference room.
2544	8.3.2015	On rare occasions, some participants could not log-on to a conference until restarting Orion.

4. Known Issues

Errata #	Date Added	Errata Description
2444	23.9.2014	Dial-out from MCU using phone book supports only SIP calling. If a participant from the phone book dials out using H.323, the call will fail.
2439	23.9.2014	User ID is not displayed with Polycom PXV soft client.
2434	23.9.2014	When QCIF and QVGA resolutions are added in the advanced configuration, the resource allocation calculation (showing the % of system resources required for a defined conference) is wrong.
2403	23.9.2014	Cancel does not work on local version upgrade from file.
2380	23.9.2014	SIP intruders, such as "SIP Friendly scanner", can harm the system. It is recommended to use non-5060 (not the well-known-SIP-port) for establishing SIP connectivity in case of publicly installed systems.
2287	16.04.2014	Interoperability: When G.722 voice codec is used with the Yealink SIP video phone, DTMFs are sent over RFC2833 with an incorrect RTP timestamp. In rare cases, this may cause the Orion to detect DTMFs improperly.
2292	20.04.2014	Interoperability: With Asterisk-based PBXs, when Orion-O is registered on the PBX, and the MCU is configured as a SIP trunk on the PBX or registered on the PBX, desktop sharing from Orion-O is blocked by the PBX due to false handling of SDP-SIP messages by the PBX.
2219	1.3.2014	Number of concurrent conferences is limited to six in Orion VX2000 if the maximum number of participants is maintained at the default of 29. Workaround: In case eight concurrent conferences need to be supported (in VGA and CIF resolution), the maximum number of participants needs to be limited to 16.
2196	19.3.2014	Late SDP (INVITE with empty SDP, followed by SDP as part of the 200-OK and ACK messages) is not supported by Orion.
2007	21.11.2013	In H.323 direct mode (no gatekeeper in use) and connecting through an access number, the resolution of the access number and the H.323 endpoint must match. Otherwise the endpoint might not display video. Workaround: Configure the H.323 endpoint and access number to a matching resolution.
1939	21.11.2013	Recording a conference is limited to VGA resolution.
1942	21.11.2013	When playing a recorded conference, audio-video sync issues might occur.
2034	31.12.2013	For board-level customers (customers who are installing Orion onto their own servers) when setting Orion IP configuration through Linux setup

Errata #	Date Added	Errata Description
		command, it is impossible to re-configure the IP attributes through the GUI (such as DNS server IP). Workaround: Always use GUI to configure the IP attributes and avoid using the Linux setup command. If the problem is encountered, re-install Orion.
2120, 2284, 2442	1.3.2014	When using Orion-O desktop sharing, it is required to exit from desktop sharing on one client in order for a different client to be able to perform desktop sharing.
2073	1.3.2014	In case of H.323, content sharing with H.239 will work only if the maximum number of visible participants in the conference is configured to 4 or above.
2071	1.3.2014	The Linphone H.263 is not supported. Only the Linphone H.263-1998 is supported. Workaround: It is recommended to configure the Linphone to work with H.264 due to its superior video quality compared to H.263.
1900	1.3.2014	Working with H.323 gatekeeper is only supported when gatekeeper and Orion are located on the same network without NAT translation between them.
1671	1.3.2014	When performing H.323/H.239 content sharing, the "people" screen of the sharing endpoint will always contain 2 video participants, as follows: the presenter and voice-activated dominant speaker. This is the normal behavior of the Orion MCU.
2354, 2319	8.5.2014	Interoperability: Occasionally, video artifacts appear when using the Polycom RealPresence Windows client. The artifacts may occur during IVVR or during video conferencing.

5. Contacting SURF

Please send your documentation-related feedback, or report mistakes, to pr@surfsolutions.com.
We are committed to constant and perpetual improvement. Your input will greatly help us in our
endeavor.

5.1   Support

The Orion-VX1000/VX2000 Technical Support Center is at your service. You may access
Warranty Service our Web Request Form by using the following link:

www.orionmcu.com/support/
Phone: +972 (0)73 714-0700
Email: orion@surfsolutions.com

5.2   Surf Marketing

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